

ABSTRACT OF THE DISCLOSURE

“Efficient Type Annotation of XML Schema-Validated XML Documents without
Schema Validation”

Type annotation record information storage for annotated automaton encoding for

5 high-performance XML schema validation is optimized in a space efficient aspect.
Subsequent to type annotation record information organization, type annotation records
are used for type annotation of validated XML documents, either by implementing
annotation records and type annotation part of an algorithm only, or by skipping one or
more validation steps in a full validation implementation. Given a schema context, a type
10 annotation may be performed for a validated XML fragment as opposed to an entire
document. In addition, default features such as attribute and type are supported.